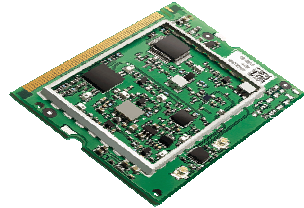




Intel® PRO/Wireless 2100A LAN MiniPCI Adapter Type 3B

Product Description:

Embedded 802.11a/b dual band (5 GHz and 2.4 GHz) Wireless Local Area Network MiniPCI adapters. The MiniPCI Type 3B form factor is designed for notebook computer systems where overall thickness must be kept to an absolute minimum.



Type 3B MiniPCI shown

Key Features:

- 802.11a/b dual band (5 GHz and 2.4 GHz) supported™
- Up to 54 Mbps at 5 GHz, and up to 11 Mbps at 2.4 GHz
- IEEE 802.11a/b standard technology
- Industry standard wireless LAN security support is available (802.1X, WEP, WPA[§]) with enabling software implementation.[§]
- Cisco* Compatible Extensions (such as LEAP and CKIP) support is available on certain models. Check with your PC manufacturer for Cisco* Compatible validation.[§]
- Intel® Wireless Coexistence System capability enables Bluetooth* co-existence

Technical Specifications

Model Name	Intel® PRO/Wireless 2100A LAN MiniPCI Type 3B Adapter	
Dimensions (H x W x D)	Type 3B: 44.60 mm x 59.75 mm x 4.9 mm	
Weight	12g	
Antenna Interface Connector	Hirose U.FL-R-SMT mates with cable connector U.FL-LP-066	
Dual Diversity Antenna	On-board dual diversity switching support for systems designed with two antennas	
Radio ON/OFF control[°]	Supported by both hardware and software	
Connector Interface	MiniPCI Type III edge connector	
LEDs output	Link, Activity	
Operating Temperature	0 to +70° Celsius	
Humidity	0 to 95% non-condensing	

Frequency Modulation	5 GHz (802.11a)	2.4 GHz (802.11b)
Frequency Band	5.15 GHz to 5.35 GHz	2.4 GHz to 2.497 GHz
Modulation	BPSK, QPSK, 16 QAM, 64 QAM	DBPSK, DQPSK, CCK
Wireless Medium	5 GHz UNII: Orthogonal Frequency Division Multiplexing (OFDM)	2.4GHz ISM: Direct Sequence Spread Spectrum (DSSS)
Channels	Up to 8 channels	Up to 14 Channels
Data Rates	54, 48, 36, 24, 18, 12, 9, 6 Mbps	11, 5.5, 2, 1 Mbps

Intel in
Communications

Intel PRO
Network Connections

Technical Specifications continued

Operating System	Microsoft® Windows® XP (Professional, Home, Tablet), 2000
Wi-Fi Alliance	Wi-Fi CERTIFIED® for 2.4 GHz band, 5 GHz band and WPA
WHQL	YES

WLAN Standard	IEEE 802.11a and IEEE 802.11b
Architecture	Infrastructure or ad hoc (peer-to-peer)
Roaming¹	802.11a and 802.11b compliant for seamless roaming between respective access points (802.11a, 802.11b, dual band 802.11a/b)
Security	
Network Authentication	Open, Shared, WPA [§] , WPA-PSK 802.1X: MD5, TLS, TTLS, LEAP [§] , PEAP [§] (TLS, GTC, MS-CHAP-V2)
Data Encryption	WPA-TKIP, Cisco® Compatible Extensions-CKIP [§] , 128-bit and 64-bit WEP, None
Product Safety	UL, C-UL, CB (IEC 60590)
Major Worldwide Approvals	FCC Part 15.407 ETSI 300 328, ETSI 301 893 EN 301 489, CE Japan – ARIB STD T66, RCR STD T33, ARIB STD T71

Products Available	Product Code
Intel® PRO/Wireless 2100A LAN MiniPCI Type 3B Adapter (AMER, Ch 1-11)	WM3B2100A
Intel® PRO/Wireless 2100 LAN MiniPCI Type 3B Adapter (EU, Ch 1-11)	WM3B2100A2
Intel® PRO/Wireless 2100 LAN MiniPCI Type 3A Adapter (JP, Ch 1-14)	WM3A2100A3

Intel® PROSet Software

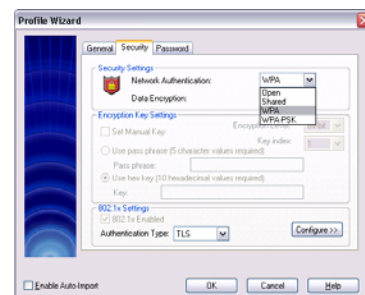
As part of Intel® PRO Network Connection Software, Intel® PROSet software[°] provides driver consistency in one simple common user interface. Intel® PROSet software helps enable a superior mobile experience⁺ by providing:

- Connection Status
- Network/Wireless Adapter Management



Connection Status

- Signal Strength
- Network Name
- Security
- Radio On/Off



Network/Wireless Adapter Management

- Network Management
 - Network Name
 - Security Settings
 - Network Discovery
 - Multiple profile setup
- Wireless Adapter Management
 - Power Settings

* Other names and brands may be claimed as the property of others.

[°] Dual band WLAN is available in 2H '03 and will support low band capabilities (5.15 GHz to 5.35 GHz). Low band capabilities not supported in all countries, contact your PC manufacturer for more details.

[°] Intel® PROSet for Wireless software may not be supported by your PC manufacturer. Check with your PC manufacturer for details on availability.

¹Roaming is supported only between each respective band and mode of access points.

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